



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Gonzalez et al.

Serial No.: 10/804,578

Filed: March 19, 2004

For: METHOD OF FORMING SHALLOW
DOPED JUNCTIONS HAVING A
VARIABLE PROFILE GRADATION OF
DOPANTS (as amended)

Confirmation No.: 7290

Examiner: S. Loke

Group Art Unit: 2811

Attorney Docket No.: 2269-7014.4US
(95-1142.04/US)

Notice of Allowance Mailed:

November 29, 2005

NOTICE OF EXPRESS MAILING

Express Mail Mailing Label Number: EL995988958US

Date of Deposit with USPS: February 28, 2006

Person making Deposit: Timothy Palfreyman

COMMENTS ON STATEMENT OF REASONS FOR ALLOWANCE

Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The Examiner indicates:

The first major difference in the claims not found in the prior art of record is annealing the substrate after at least one of the second doping operation and the PLAD operation to cause a more uniform distribution of dopants. The second major difference in the claims not found in the prior art of record is the first doped

region has a dopant concentration in a range from about 1×10^{19} dopant atoms/cm³ to about 5×10^{21} dopant atoms/cm³, the second doped region has a dopant concentration in a range from about 1×10^{16} dopant atoms/cm³ to about 1×10^{19} dopant atoms/cm³, and the second doping operation being conducted in a medium power implanter operating in a range of from about 0 KeV to about 200 KeV. The third major difference in the claims not found in the prior art of record is the first doped region and the second doped region form a portion of an electrical device that is selected from the group consisting of a diode, a resistor, and a transistor. The fourth major difference in the claims not found in the prior art of record is the second doped region having at least a portion thereof that underlaps the bottom surface of the gate region.

Applicants concur with the reasons as stated by the Examiner insofar as they comprise a summary, and are exemplary and not limiting. However, none of the claims include all of the limitations described and some allowed claims may not include any of the limitations as characterized by the Examiner above. The independent claims as allowed include other and different language than that specified by the Examiner, and the allowed dependent claims include other and further features and elements. Accordingly, the scope of the claims must be determined from the literal language of each as a whole, as well as equivalents thereof.

Respectfully submitted,



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Date: February 28, 2006
JAW/dn:slm
Document in ProLaw



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TRANSMITTAL LETTER

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants submit herewith Part B - Fee(s) Transmittal for the above-captioned application and a check in the amount of \$1715.00 in payment therefor plus five (5) copies of the patent when issued.

Serial No.: 10/804,578

Also, enclosed is an Amendment Pursuant to 37 C.F.R. § 1.312(a) (8 pages); Comments on Statement of Reasons for Allowance (2 pages); and Fee Addressee for Receipt of PTO Notices Relating to Maintenance Fees (2 pages).

Applicants understand that no additional fees are required. However, if the Office determines that any comparison fees or other additional fees are required, the Commissioner is authorized to charge any such fees to TraskBritt Deposit Account No. 20-1469. A copy of this Transmittal Letter is enclosed for deposit account charging purposes.

Respectfully submitted,



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Salt Lake City, Utah 84110-2550
Telephone: 801-532-1922

Date: February 28, 2006

KWP/dn:lmh

Enclosures: Part B - Issue Fee Transmittal (1 page, w/duplicate copy)
Check No. 22572 in the amount of \$1715.00
Copy of Transmittal Letter (2 pages)
Amendment Pursuant to 37 C.F.R. § 1.312(a) (8 pages)
Comments on Statement of Reasons for Allowance (2 pages)
Fee Addressee for Receipt of PTO Notices Relating to Maintenance Fees
(2 pages)

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